

Work Order ID 116057

Friday, April 04, 2014 2:02:20 PM

116057

Page 1

Item ID: D4060-1

Revision ID:

Item Name: Ski Clamp, Top

Start Date: 4/01/14

Start Qty: 40.00

40

Required Date: 4/04/14

Req'd Qty: 40.00

40

Reference:

Accept

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals:

Process Plan: MLSDate: 14-04-10

QC: _____

Date: _____

Tooling: _____

Date: _____

SPC (Y/N): _____

Date: _____

Run Start

NR1

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D4060

A

100

0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 23788

Manufacture as per Dwg D4060

Supplier: G.F.I

Certificate of conformity is required

0.00

CX 14/04/14 40

110

0.00

110

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.00

R 14/5/15 (40)

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____
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Work Order ID 116057

Friday, April 04, 2014 2:02:20 PM

116057

Page 2

Item ID: D4060-1

Revision ID:

Item Name: Ski Clamp, Top

Start Date: 4/01/14

Start Qty: 40.00

40

Required Date: 4/04/14

Req'd Qty: 40.00

40

Reference:

Accept

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals:

Process Plan: _____

Date: _____

QC: _____

Date: _____

Tooling: _____

Date: _____

SPC (Y/N): _____

Date: _____

Run Start

NR1

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

Quality Control

0.00

DAS
27
9-33
14/5/1540
Cen

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

57456A

Packaging

0.00

14/5/16 (40) DAS
32
9-89

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

Quality Control

0.00

MLJ 14-05-08

14-05-07

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											

FAULT CATEGORY			
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Picklist Print

Friday, April 04, 2014 2:02:20 PM

Page 1

Work Order ID: 116057

116057

Parent Item: D4060-1

D4060-1

Parent Item Name: Ski Clamp, Top

Start Date: 4/01/14

Required Date: 4/04/14

Start Qty: 40.00

Required Qty: 40.00

Comments: IPP Rev:A new issue DD 10.02.16 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4060-1P		Purchased		No		110	Each	0.0000	1	40			
D4060-1P									**				
Ski Clamp, Top													

4/4/14 (40)

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

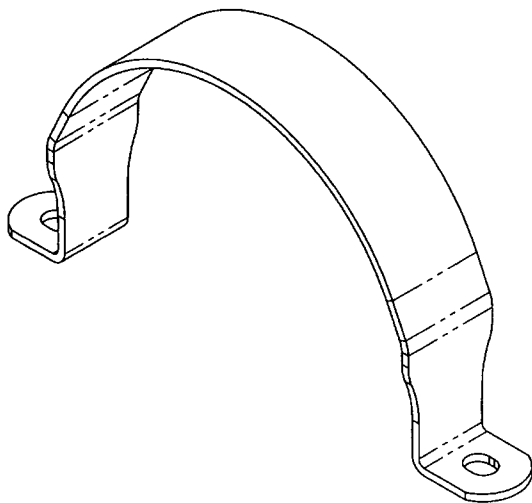
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

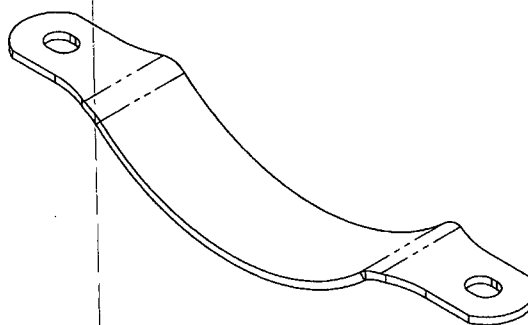
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

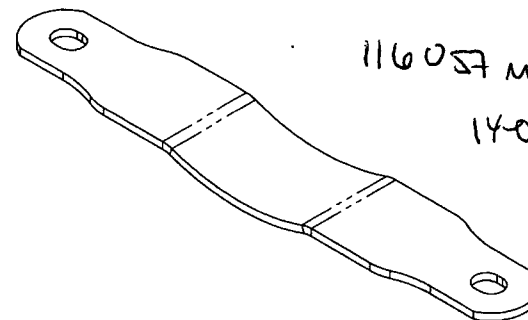
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____
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D4060-1 412 SKI CLAMP, TOP



D4060-3 412 SKI CLAMP, BOTTOM



D4060-5 412 SKI CLAMP, AFT

NOTES:

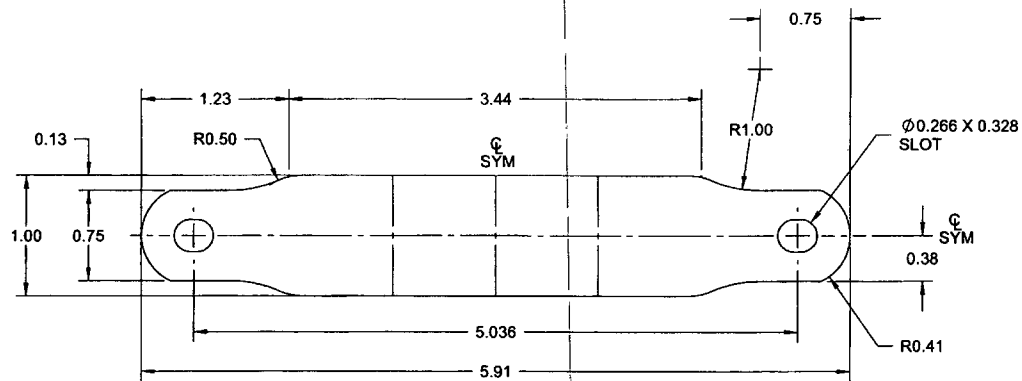
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4060-X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D4060-1 = 0.20 lbs, D4060-3/-5 = 0.12 lbs

RELEASED
2010-04-07

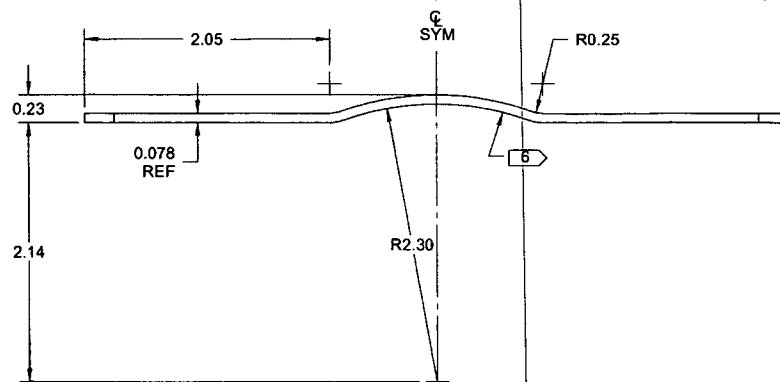
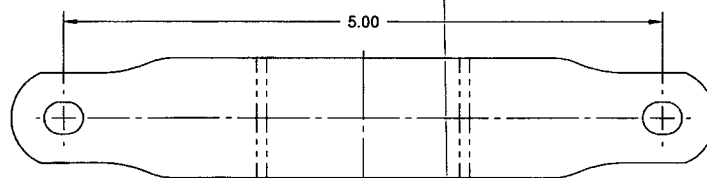
A		NEW ISSUE		MB	10.03.31
REV.		DESCRIPTION		BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN					
CHECKED		DRAWING NO. D4060		REV. A	
MFG. APPR.		TITLE 412 SKI CLAMP		SHEET 1 OF 4	
APPROVED		SCALE		NTS	
DE APPR.		DATE 10.03.31		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

100-12

100-12



D4060-5F 412 SKI CLAMP, AFT FLAT PATTERN



D4060-5 412 SKI CLAMP, AFT
MAKE FROM D4060-5F

RELEASED
2010-04-07

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D4060	REV. A
MFG. APPR.		SHEET 4 OF 4	
APPROVED		TITLE	SCALE
DE APPR.		412 SKI CLAMP	NTS
DATE	10.03.31	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMBINED WITH ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23788

Purchase Order Date 4/14/2014

PO Print Date 4/14/2014

Page Number 1 of 2

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
FC 8/14/09/14

Contact Name

Vendor Phone 514 630 4877

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D4060-1P AS PER DWG D4060 REV. A B116057	Ski Clamp, Top	5/6/2014 Yes 5/6/2014		40.00 Each	\$17.00	\$680.00
Line Total:							\$680.00
2	71401-45 PROCUREMENT QUALITY CLAUSES PROCUREMENT QUALITY CLAUSES A005 RIGHT OF ENTRY A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE) A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE) A026 CERTIFICATION OF MATERIAL CONFORMANCE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT	PROCUREMENT QUALITY CLAUSES	5/6/2014 No 5/6/2014		1.00	\$0.00	\$0.00

Note:

4/14/2014



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Limitée / GFI is a division of Thomas & Betts Limited



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO		PAGE
JR	MO	AN			
01	05	14	0536319		1/1



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE	N° DE CONTRAT / JOB NO	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299	0284793	PO23788	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO	DESCRIPTION
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40 D4060-1P

SKI CLAMP TOP

ITEM 1
C OF C REQ'D

MFG. JOB# J0284793-001 QTY 40 pcs

DUE DATE: 06 May 2014



EXPÉDITEUR / SHIPPER

REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. 10 OUR JOB NO J0284793 SHIPPING MEMO 0536319

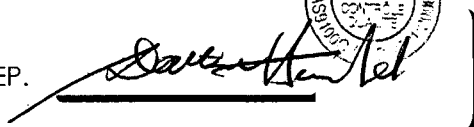
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
-	40 PCS	PO23788	D4060-1P	A	SKI CLAMP TOP	A

MATERIAL	SUPPLIED BY	MAT. REL. NO.
.078 THK 304 ANN AMS 5513	TW METALS/ ALLEGHENY LUDLUM	951264

	PROCESS	PROCESSOR	RELEASE NOTE #
1	FIRST ARTICLE INSPECTION REPORT ON FILE	GFI	N/A
2	REF. GFI MANUFACTURING JOB NUMBER J0284793-001 (40 PCS)	GFI	N/A
3			
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 01 MAY 2014

G.F.I. Q.C. REP. 





O'Neal High-Performance Metals Group

175 TUBEWAY
FOREST PARK
Tel: 404-361-5050
FAX: 4043617052

GA 30297

CERTIFICATE OF COMPLIANCE

Your Order Number: 0083098

Our delivery receipt Number: 70521834

Date: 10/22/13

This is to certify that the material shipped against the above order on the above delivery receipt, consisting of:

Quantity: 133.632 LB

Line Number: 1

Grade: 304 S/S SHEET AMS 5513 .080

Part #: TS080481204A

Heat Number: 951264

Specification:

Complies in all respects with the item description.

BY:

Janine Clark

Authorized Test Department Clerk

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following.

Size: 48 X 120
P.O. #49250233
Part# 50255
Sales # 01198879
Quantity 3

Destination: 304L ANH 07-053 AMS5513
Customer: PVA Metals
Shipped: 11/10/2012
Heat: 951254

Authorized Signature
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST

CUST. ORD. NO. & DATE

01021271

FORMS DISTRIBUTION

SOLD TO 1 SHIP TO 1 SPEC 1

SOLD TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON

OH 45015



ACCEPTING MILL

CUST. CODE

08/28/12 110977

VANDERGRIFT, PA.

SHIPMENT NO

556215

GOVT CONTRACT

PRODUCT CODE

13020102060000

MILL ORDER NUMBER

30-082-678

DATE SHIPPED

10/15/12

SHIPPING LOCATION

1124 VANDERGRIFT

PA 659323

SHIP TO

UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON

OH 45015

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIRMENTS)

ITEM PCS DIMENSIONS W/G/L DAS

001 1 48./ .080/1327.
C CUST IDENTITY 00718
1 SKID

HEAT # COIL #

951264 09272N145

TEST # GROSS TARE NET THEO TAG #/ CD SKID #

8798038 18360 50 18310 893786

18360 50 18310

TYPE HEAT/TEST

HEAT 951264

TEST LOCATION

CHECK 8798039

TEST LOCATION

--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
.019	1.77	.031	.001	.45	18.24	8.06	.33	.50	.07
MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
.016	1.76	.031	.0004	.44	18.25	8.01	.33	.51	.07
TC	TC	TC	TC	TC	TC	TC	TC	TC	TC

ITEM TEST NO

001 8798038

YIELD TENSILE % ELONG

PSI * PSI IN 2" % R/A

T 45200. 95000. 70.

TC TC TC

* Y.S. BY 0.2% OFFSET METHOD

CORROSION MELT

T-YIELD

P&W E-25

ITEM TEST NO

001 8798038

ISO 3651-2 SOURCE

1%

TRAN BEND

PASS

1.

51500.

2.

TEST LOCATION

TC

TC

TC

CORROSION GRAIN

BEND A 262 PR E SIZE

HARDENABILITY

T PASS PASS 8.

TC TC TC

REVIEWED BY Q.C.

Date 10-18-12 by PE

PAGE 01 - CONTINUED ON PAGE 02

CONSIGNEE-Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, leave a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-228-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-228-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.

Stephen W. Hight
Director, Corporate Quality Assurance

10/15/12 15:22:26

Description: 304L AIN-077-063 AMS5513
Customer: TV Metals
Shipped: 11/13/2012
Heat: 951254

Authorized Signature: Lynne Harper Lynne Harper

NOTICE OF SHIPMENT/
PACKING LIST

CUST. ORD. NO. & DATE
 01021271 08/28/12
 FORMS DISTRIBUTION
 SOLD TO → 1 SHIP TO → SPEC →
 SOLD TO
 UNITED PERFORMANCE METALS
 3475 SYMMES ROAD
 HAMILTON OH 45015



CUST. CODE | ACCEPTING MIL. | SHIPPER NO.
 110977 | VANDERGRIFF, PA. | 556215
REPEAT	DO	PRI-
ORDER	RATE	ORITY
82037-9	26	
 PRIME SEC.
 DSO DSO
 516
 UNITED I
 2475-57

CERTIFICATE OF TEST

AL 6168-4 121.1

PRODUCT CODE:	MIL. ORDER NUMBER	DATE SHIPPED
13020102060000	30-082-678	10/15/12
MATL.	SHIPPING LOCATION	INVOICE
1124 VANDERGRIFT	PA	659323
SHIP TO		
PERFORMANCE METALS		
EES ROAD		
OH 45015		

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11-10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

ITEM PCS DIMENSIONS W/G/L

001 1 48./ .080/1327.
C CUST IDENTITY 00718
1 SKID

HEAT #	COIL #	TEST #	GROSS TARE NET	THEO TAG #/ CD SKID #
951264	09272N145	8798038	18360 50 18310	893786

18360 50 18310

TYPE HEAT/TEST

[illegible]

ITEM TEST NO

001 8798038

TEST LOCATION

YIELD TENSILE % ELONG

PSI	* PSI	% ELONG IN 2"	% R/A
T 45200.	95000.	70.	
TC	TC	TC	

* Y.S. BY 0.2% OFFSET METHOD

CORROSION	MELT	T-YIELD
ISO 3651-2	SOURCE	1%
PASS	1.	51500.

ITEM TEST NO

001 8798038

TEST LOCATION

TC	TC	TC
----	----	----

CORROSION GRAIN

BEND		A 262 PR E		SIZE	HARDENABILITY
T PASS	PASS			8.	

REVIEWED BY Q.C.

Date 10-18-12 by PI

PAGE 01 - CONTINUED ON PAGE 02

CONSIGNEE—Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. In any shortage or damage as discovered, please a full description made by transportation agent in receipt before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy, phone 724-226-5980. CAUTION: Processing that involves fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires, veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînent la production de vapeurs, poussières, ou solutions pouvant, à fin usage, de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

10/15/12 15:22:26

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.

Stephen Wotil.
Director, Corporate Quality Assurance

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following

See 48 X 120
P.O. #4933289
Part# 50985
Sales # 0119578
Quantity: 3

Description 304L A1H 077-653 AMS5513
Customer TW Metals
Shipped 11/13/2012
Heat 551264

Authorized Signature
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST

Q1ST, C0NF, NO & DATE
01021271
FORMS DISTRIBUTION
SOLD TO
1 SH# 10-1 SPEC
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON OH 45015

Q1ST, C0NF
08/28/12 110977
VANDERGRIFT, PA.
556215
GOVT CONTRACT
13020102060000
1124 VANDERGRIFT
SHIP TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON OH 45015



CERTIFICATE OF TEST

AL 6188-4 1211

PROXCT CODE
13020102060000
M1L ORDER NUMBER
30-082-678
DATE SHIPPED
10/15/12
M1TL
SHIPPING LOCATION
PA
INVOICE
659323

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

FLAT NON-WELDED TEST PIECE WAS USED FOR ISO 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

DIN EN 10204:2005 - 3.1 ATI ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

MATERIAL WAS SOLUTION ANNEALED AT 1900F (1038C) MINIMUM FOR A TIME COMMENSURATE WITH THICKNESS AND RAPIDLY COOLED WITH AIR AND WATER.

ATI ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

NO WELDS/WELD REPAIRS PERFORMED.

WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA (T7869) IS A GEAE S400 AND ISO/IEC 17025 APPROVED FACILITY.

PAGE 02 - CONTINUED ON PAGE 03

CONSIGNEE: Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceases. For your protection please examine shipment as it arrives. If any shortage or damage is observed, leave a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy please call 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING
Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent causer des maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specifications as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolf - Director, Corporate Quality Assurance

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following

Size: 48 X 120
P.O. #449282938
Part# 50985
Sales # 01139578
Quantity: 3

Description: 304L A1H 017-053 AMS5513
Customer: TW Metals
Shipped: 11/13/2012
Heat: 551254

Authorized Signature
Lynne Harper
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST



CERTIFICATE OF TEST

AL 6100-4 1211

CUST. ORG. NO. & DATE 01021271		CUST. CODE 08/28/12 110977		ACCEPTING MILL VANDERGRIFF, PA.		SHIPPER NO. 556215		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-082-678		DATE SHIPPED 10/15/12	
FORMS DISTRIBUTION SOLD TO 1 SHIP TO 10-1		SPEC 10-1		REPEAT ORDER 82037-9		DO RATE 26		PR. DUTY 0		SHIPPING LOCATION 1124 VANDERGRIFF PA		INVOICE 659323	
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015				PRIME SEC. DSO DSO 516				SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015					

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS). (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GROSS, RONALD, INC.

METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

FLAT NON-WELDED TEST PIECE WAS USED FOR ISO 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

DIN EN 10204:2005 - 3.1 ATI ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

MATERIAL WAS SOLUTION ANNEALED AT 1900F (1038C) MINIMUM FOR A TIME COMMENSURATE WITH THICKNESS AND RAPIDLY COOLED WITH AIR AND WATER.

ATI ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

NO WELDS/WELD REPAIRS PERFORMED.

WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA (T7869) IS A GEAE S400 AND ISO/IEC 17025 APPROVED FACILITY.

PAGE 02 - CONTINUED ON PAGE 03

CONSIGNEE: Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceases. For your protection please examine shipment as it arrives. If any shortages or damage is discovered, send a full description made by transporter's on spot on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy please call 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

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The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolf - Director, Corporate Quality Assurance

10/15/12 15:22:26

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:

Size 48 X 120
P.O. M4926289
Part# 56365
Sales # 01159678
Quantity 3

Description 304L 2H 077-083 AUS5513
Customer: TW Metals
Shipped: 11/13/2012
Heat 551284

Authorized Signature
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST

CUST. ORG. NO. & DATE:

01021271

FORMS DISTRIBUTION

SOLD TO
1 SHIP TO

SPEC

SOLD TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON

OH 45015

CUST. CODE

08/28/12 110977

REPEAT ORDER
82037-9

PRIME SEC.
DSO DSO
516



ATI Allegheny Ludlum

Allegheny Technologies

ACCEPTING MILL

SHIPPER NO

556215

GOVT CONTRACT

VANDERGRIFT, PA.

PRODUCT CODE

13020102060000

MILL ORDER NUMBER

30-082-678

DATE SHIPPED

10/15/12

SHIPPING LOCATION

PA

INVOICE
659323

SHIP TO

UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON

OH 45015

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GROSS, RONALD, INC.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 20 DATED 02/24/2012.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX I, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES

AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAE S400 APPROVED FACILITIES (T1225 & T9317)
NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

TEST REPORTS
ACCEPTED BY

DEC 28 2012

TW METALS

PAGE 03 - CONTINUED ON PAGE 04

CONSIGNEE: Please Note - The consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shrinkage or damage is discovered, have a full description made by transportation agent immediately before signing.

Material Safety Data Sheets for this product have been supplied in your Purchasing Department. For an additional copy phone: 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant: 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus d'informations se référer aux fiches d'information-sécurité.

The above is a true copy of Certificate No. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wall - Director, Corporate Quality Assurance

10/15/12 15:22:26

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following

Size 48 X 120
P.O. #49766289
Part# 50865
Sales # 01155678
Quantity 3

Description 304L 2IN 077-083 A1155513
Customer: TW Metals
Shipped: 11/13/2012
Heat 551264

Authorized Signatory
Lynne Harpér

NOTICE OF SHIPMENT/ PACKING LIST

CUST. ORG. NO. & DATE
01021271
FORMS DISTRIBUTION
SOLD TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON
OH 45015

CUST. CODE
08/28/12 110977
VANDERGRIFF, PA.
SHIPPER NO
556215
GOVT CONTRACT
PRIME SEC.
DSO DSO
516



CERTIFICATE OF TEST

AL 6168-4 1211

PRODUCT CODE
13020102060000
MILL ORDER NUMBER
30-082-678
SHIP TO
VANDERGRIFF
PA
DATE SHIPPED
10/15/12
INVOICE
659323
SHIP TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON
OH 45015

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIRMENTS)

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 20 DATED 02/24/2012.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX I, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAE S400 APPROVED FACILITIES (T1225 & T9317)
NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

TEST REPORTS
ACCEPTED BY

DEC 28 2012

TW METALS

PAGE 03 - CONTINUED ON PAGE 04

CONSIGNEE-Please Note-The consignment was turned over to carrier in full days condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent immediately before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5980. CAUTION: Processing these metals fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînent le production de vapeurs, poussières, ou solutions peuvent être causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolf
Director, Corporate Quality Assurance

10/15/12 15:22:26

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in
our files the material shipped on your purchase order
conforms to the following

Size 48 X 120
P.O. #4928228
Part# 50255
Sales # 01199378
Quantity: 3

Description 304L/316 077-083 AMS5513

Customer: TW Metals
Shipped 11/13/2012
Heat: 951254

Authorized Signature
Lynne Harper
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST

CLIST, CML NO. & DATE
01021271
FORMS DISTRIBUTION
SOLD TO
1 810 10-2 SPEC
SOLD TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON
OH 45015

CLIST CODE
08/28/12 110977
VANDERGRIFT, PA.
REPEAT ORDER
82037-9
PRIME
DSO
516
ACCEPTING MILL
Alleggheny Technologies
SHEET NO
556215
GOVT CONTRACT
SHIP TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON
OH 45015



CERTIFICATE OF TEST

AL 6160-4 1211

PRODUCT CODE
13020102060000
MATERIAL
1124 VANDERGRIFT
SHIP TO
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON
OH 45015
MILL ORDER NUMBER
30-082-678
DATE SHIPPED
10/15/12
INVOICE
659323

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIRMENTS)

ATI ALLEGHENY LUDLUM HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/EIC 17025, GEAE S400, GEAE S-1000. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ATI AL QUALITY CERTIFICATIONS.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:
1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

MI = ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059
TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

TEST REPORTS
ACCEPTED BY

DEC 28 2012

TW METALS

PAGE 04 - FINAL PAGE.

ISSUED BY ATI ALLEGHENY LUDLUM - 10/17/2012 08:20
CARRIE MCFALL - QUALITY ASSURANCE DEPT.

CONSIGNEE-Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceases. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by the transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied in your Purchasing Department. For an additional copy please call 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.

Stephen Wolf - Director, Corporate Quality Assurance

UNITED PERFORMANCE METALS

This is to certify that in accordance with the terms in our files the material shipped on your purchase order conforms to the following

See 48 X 120
P.O. #452828283
Part# 50895
Sales # 01199379
Quantity: 3

Description 304L A2H 077.033 PMS5513
Customer TW Metals
Shipped 11/13/2012
Heat 951254

Authorized Signature
Lynne Harper

NOTICE OF SHIPMENT/ PACKING LIST

CLIST, CORD NO. & DATE

01021271

FORMS DISTRIBUTION

SOLD TO 1 SHIP TO SPEC

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VANDERGRIFT, PA.

REPEAT ORDER 82037-9

PRIME SEC.

DSO DSO

516



ATI Allegheny
Ludlum

Allegheny Technologies

ACCEPTING MILL

SHIPPER NO

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GOVT CONTRACT

PRODUCT CODE

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1124 VANDERGRIFT

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CERTIFICATE OF TEST

AL 6168-4 1211

MILL ORDER NUMBER

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SHIPPING LOCATION

PA

DATE SHIPPED

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CARRIER - GROSS, RONALD, INC.

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Stephen Whitt
Director, Corporate Quality Assurance